

Converting Colors

XYZ(33.1579, 30.3819, 73.0599)

Have a look what the booklet for
XYZ(33.1579, 30.3819, 73.0599)
contains.

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Color

**XYZ(33.1497, 30.3713,
73.2223)**

Conversions

Conversions Part 1

Format	Color
Hex	8790DE
RGB	135, 144, 222
RGB Percent	53%, 56%, 87%
CMY	0.4706, 0.4353, 0.1294
CMYK	0.39, 0.35, 0.00, 0.13
HSL	234°, 57%, 70%
HSV	234°, 39%, 87%
XYZ	33.1497, 30.3713, 73.2223
YIQ	150.2010, -30.4020, 22.3500

Conversions

Conversions Part 2

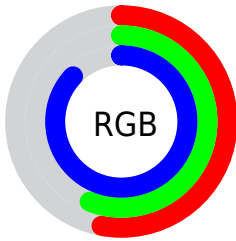
Format	Color
R _Y B	135, 143, 222
Decimal	8884446
CIE Lab	61.97, 15.86, -40.79
CIE LCh	62, 43.762, 291.250
Yxy	30.3713, 0.2424, 0.2221
Android (android.graphics.Color)	4287074526 (0xFF8790DE)
YUV	150.2010, 35.3969, -13.3313
Hunter-Lab	55.1102, 10.9280, -40.1987

Details

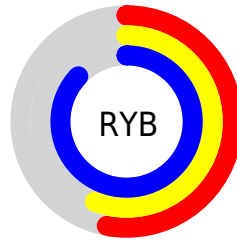
The XYZ color **33.1497, 30.3713, 73.2223** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **58.2926, 64.8686, 32.3715**, and the grayscale version is **28.9393, 30.4464, 33.1561**.

A 20% lighter version of the original color is **59.7299, 58.6845, 102.7869**, and **14.2790, 12.5079, 37.7381** is the 20% darker color. If you saturate the color by 10%, you get **27.1898, 23.2117, 72.1551**, and if you desaturate by 10%, it is **40.3880, 38.9799, 74.5030**.

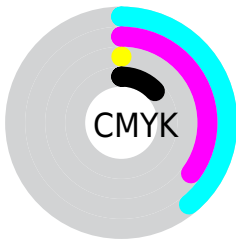
Distribution



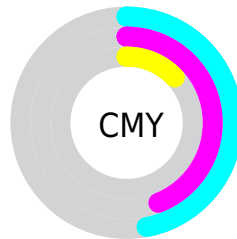
- Red (53%)
- Green (56%)
- Blue (87%)



- Red (53%)
- Yellow (56%)
- Blue (87%)



- Cyan (39%)
- Magenta (35%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (44%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1497, 30.3713, 73.2223 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.1497, 30.3713, 73.2223 by changing the saturation by 10% instead.

■ 33.1497, 30.3713,
73.2223

■ 33.1497, 30.3713,
73.2223

307.9768,
303.6314, 490.8763

■ 22.4009, 20.1206,
53.6648

■ 63.9623, 60.2489,
125.5166

■ 14.2700, 12.4827,
37.9424

■ 84.7568, 80.6445,
159.0905

■ 8.3917, 7.0733,
25.6365

■ 109.6307,
105.1906, 198.1736

■ 4.4005, 3.5080,
16.3286

138.9492,
134.2715, 243.1845

■ 1.9311, 1.4023,
9.6001

173.0777,
168.2717, 294.5416

■ 0.5948, 0.2185,
5.0325

212.3815,

■ 0.0000, 0.0000,

207.5754, 352.6636

2.2073

257.2261,
252.5672, 417.9690

■ 0.0000, 0.0000,
0.6786

■ 0.0000, 0.0000,
0.0000

■ 33.1497, 30.3713,
73.2223

■ 33.1497, 30.3713,
73.2223

■ 27.1898, 23.2117,
72.1551

■ 40.3880, 38.9799,
74.5030

■ 22.4303, 17.4179,
71.2876

■ 48.9698, 49.1079,
76.0056

■ 18.7900, 12.9034,
70.6081

■ 58.9598, 60.8251,
77.7407

■ 16.1761, 9.5702,
70.1025

■ 70.4176, 74.1958,
79.7176

■ 14.4805, 7.3058,
69.7548

■ 83.3991, 89.2811,
81.9452

■ 13.5462, 5.9630,
69.5448

■ 90.1849, 98.0540,
83.2809

■ 13.4906, 5.8853,
69.5327

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.1853, 30.3713, 76.3574



33.1497, 30.3713, 73.2223



38.5842, 30.3713, 57.6812

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.1497, 30.3713, 73.2223



36.5159, 30.3713, 13.7365



19.0949, 30.3713, 28.3955

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.1497, 30.3713, 73.2223



58.2926, 64.8686, 32.3715

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.9358, 30.3713, 16.6943



33.1497, 30.3713, 73.2223



30.6167, 30.3713, 10.3189

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.1497, 30.3713, 73.2223



40.7034, 30.3713, 22.6914



24.9700, 30.3713, 11.1789



19.5813, 30.3713, 46.2086

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.1497, 30.3713, 73.2223



40.9153, 30.3713, 44.5741



24.9700, 30.3713, 11.1789



19.4518, 30.3713, 23.7367

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.1508, 30.3724, 73.2230



76.5385, 78.3792, 105.7024



47.9786, 62.1401, 71.6544



15.9891, 16.3155, 22.5564



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1508, 30.3724, 73.2230



38.5848, 33.4213, 99.0251



38.0730, 30.9665, 73.0783



13.0656, 13.4703, 17.2991



8.0511, 3.5717, 41.3134



0.5972, 0.3259, 2.8767

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.8231, 34.8724, 30.8078



55.2344, 40.7536, 32.7845



51.3949, 64.7667, 32.7154



13.7646, 13.7235, 14.5304



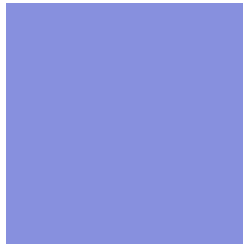
18.0040, 9.2686, 1.4210



1.2677, 0.6504, 0.2026

Previews

White Background



This preview shows how the XYZ color 33.1497, 30.3713, 73.2223 looks on a white background.

Color Contrast Check

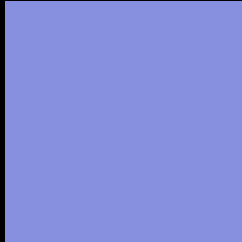
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.1497, 30.3713, 73.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

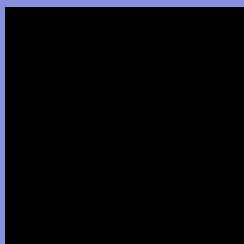
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1497, 30.3713, 73.2223

Background



This preview shows how black text looks on a background with the XYZ color 33.1497, 30.3713, 73.2223.



This preview shows how white text looks on a background with the XYZ color 33.1497, 30.3713,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.1497, 30.3713, 73.2223

Protanopia

32.0566, 30.4602, 74.7109

Deuteranopia

31.2698, 30.5669, 72.6585



Tritanopia

26.7224, 30.3703, 41.0128

Trichromacy



Original Color

33.1497, 30.3713, 73.2223

Protanomaly

32.3506, 30.3975, 73.9743

Deuteranomaly

31.7970, 30.3730, 72.5933

Tritanomaly

28.7886, 30.2331, 51.3320

Monochromacy



Original Color

33.1497, 30.3713, 73.2223

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.1034, 30.3341, 45.3427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1497, 30.3713, 73.2223 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(135, 144, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 144, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(135, 144, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 144, 222) }
```

Border

The CSS property to change the border of an element to XYZ 33.1497, 30.3713, 73.2223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 144, 222) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(135, 144, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(135, 144, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 144, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 144, 222);  
box-shadow:4px 4px 4px 4px rgb(135, 144,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1497, 30.3713, 73.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 144, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(135,  
144, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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